

[illegible]

EXE

Mod

ED 1

ED

ED

ED

ED

ED1

ED

ED

ED
EDED
EDSYS
LIB

L18

```
LL      PPPPPPPP  RRRRRRRR  IIIIII  NN      NN  TTTTTTTTTT
LL      PPPPPPPP  RRRRRRRR  IIIIII  NN      NN  TTTTTTTTTT
LL      PP        PP  RR      RR  II      II  TT
LL      PP        PP  RR      RR  II      II  TT
LL      PP        PP  RR      RR  II      II  TT
LL      PPPPPPPP  RRRRRRRR  II      II  NN  NN  NN  TT
LL      PPPPPPPP  RRRRRRRR  II      II  NN  NN  NN  TT
LL      PP        RR      RR  II      II  NN  NN  NN  TT
LL      PP        RR      RR  II      II  NN  NN  NN  TT
LL      PP        RR      RR  II      II  NN  NN  NN  TT
LL      PP        RR      RR  II      II  NN  NN  NN  TT
LLLLLLLLLL  PP      RR      RR  IIIIII  NN      NN  TT
LLLLLLLLLL  PP      RR      RR  IIIIII  NN      NN  TT
               . . . .
```

```
LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLL  IIIIII  SSSSSSSS
```



```
0001 0 %TITLE 'EDT$LPRI NT - PRINT line-mode command'
0002 0 MODULE EDT$LPRI NT ( ! PRINT line-mode command
0003 0 IDENT = 'V04-000' ! File: LPRI NT.BLI Edit: JBS1027
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0010 1 * DIGI TAL EQUI PMENT CORPORA TI ON, MAYNARD, MASSACHUSETTS.
0011 1 * ALL RI GHTS RE SERVED.
0012 1 *
0013 1 * THIS SOFTWA RE IS FURNISHED UNDER A LI CENSE AND MAY BE USED AND COPIED
0014 1 * ONLY IN ACCORDANCE WITH THE TER MS OF SUCH LI CENSE AND WITH THE
0015 1 * INCLU SION OF THE ABOVE COPYRI GHT NO TI CE. THIS SOFTWA RE OR ANY OTH ER
0016 1 * COPIES THEREOF MAY NOT BE PROVI DED OR OTHERWISE MADE AVAI LABLE TO ANY
0017 1 * OTH ER PER SON. NO TI TLE TO AND OW NE RSH IP OF THE SOFTWA RE IS HE RE BY
0018 1 * TRANSFERRED.
0019 1 *
0020 1 * THE IN FOR MA TI ON IN THIS SOFTWA RE IS SUB JECT TO CH AN GE WI TH OUT NO TI CE
0021 1 * AND SHOULD NOT BE CONSTRUED AS A COM MI TMENT BY DIGI TAL EQUI PMENT
0022 1 * CORPORA TI ON.
0023 1 *
0024 1 * DIGI TAL ASSUMES NO RE SPON SI BI LI TY FOR THE USE OR RE LI AB I LI TY OF ITS
0025 1 * SOFTWA RE ON EQUI PMENT WHICH IS NOT SUPPLIED BY DIGI TAL.
0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACI LI TY: EDT -- The DEC Stan dard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module is called to produce a file containing
0037 1 a specified range of text in a special format.
0038 1
0039 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0040 1
0041 1 AUTHOR: Bob Kushlis, CREATION DATE: February 3, 1978
0042 1
0043 1 MODI FIED BY:
0044 1
0045 1 1-001 - Original. DJS 30-JAN-81. This module was created by
0046 1 extracting the routines PRINT and EDT$$PRNT_CMD from EXEC.BLI.
0047 1 1-002 - Regularize headers. JBS 20-Mar-1981
0048 1 1-003 - Use new message codes. JBS 04-Aug-1981
0049 1 1-004 - Convert to fileio for reads and writes. STS 15-Jan-1982
0050 1 1-005 - Pass RHB address to callfio. STS 21-Jan-1982
0051 1 1-006 - Don't pass descriptors to close file. STS 10-Feb-1982
0052 1 1-007 - Pass file name to edt$$fiopn err. STS 25-Feb-1982
0053 1 1-008 - Add literals for callable EDT. STS 08-Mar-1982
0054 1 1-009 - Avoid infinitely recursive calls to PRINT. JBS 11-Mar-1982
0055 1 1-010 - Print a message on CLOSE errors. JBS 12-Apr-1982
0056 1 1-011 - Check for CNTRL/C. SMB 14-Apr-1982
0057 1 1-012 - Move conversion to UP CASE for PDP-11's to FILEIO. SMB 21-Apr-1982
```

EDT\$LP
V04-000

EDT\$LP - PRINT line-mode command

I 5
16-Sep-1984 00:54:22
14-Sep-1984 12:23:38

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LP
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58	0058	1	1-013	- Set a flag if control C actually aborts something.	JBS 24-May-1982
59	0059	1	1-014	- Remove reference to SET_FMTWRRUT.	SMB 11-Jun-1982
60	0060	1	1-015	- Save buffer position and restore after print.	STS 14-Jun-1982
61	0061	1	1-016	- Pass default file name in RHB parameter.	JBS 15-Jun-1982
62	0062	1	1-017	- Remove EDT\$OPN_FI, EDT\$WR_OFI and EDT\$CLS_FI external references:	
63	0063	1		they are unused.	JBS 15-Jun-1982
64	0064	1	1-018	- Stop the working message before second CTRL/C check.	SMB 22-Jun-1982
65	0065	1	1-019	- Stop processing on bad select range.	SMB 01-Jul-1982
66	0066	1	1-020	- Errors on select must be caught at a higher level.	SMB 02-Jul-1982
67	0067	1	1-021	- Change print file message names.	SMB 13-Jul-1982
68	0068	1	1-022	- Make edt\$stst_eob in line.	STS 22-Sep-1982
69	0069	1	1-023	- Make EDT\$SRNG_POSFRST in line.	STS 11-Oct-1982
70	0070	1	1-024	- Reject lines starting with ESC.	JBS 19-Oct-1982
71	0071	1	1-025	- Don't use STR\$COPY for puts.	STS 10-Nov-1982
72	0072	1	1-026	- Use LIB\$LP_LINES to compute the number of lines per page on VMS.	JBS 29-Apr-1983
73	0073	1	1-027	- Correct an error in a comment.	JBS 14-Jun-1983
74	0074	1	--		
75	0075	1			


```

: 77 0076 1 %SBTTL 'Declarations'
: 78 0077 1
: 79 0078 1 | TABLE OF CONTENTS:
: 80 0079 1 |
: 81 0080 1
: 82 0081 1 REQUIRE 'EDT$SRC:TRAROUNAM';
: 83 0520 1
: 84 0521 1 FORWARD ROUTINE
: 85 0522 1 PRINT,
: 86 0523 1 EDT$PRNT_CMD : NOVALUE;
: 87 0524 1
: 88 0525 1 |
: 89 0526 1 | INCLUDE FILES:
: 90 0527 1 |
: 91 0528 1
: 92 0529 1 REQUIRE 'EDT$SRC:EDTREQ';
: 93 0664 1
: 94 L 0665 1 %IF %BLISS (BLISS32)
: 95 0666 1 %THEN
: 96 0667 1
: 97 0668 1 REQUIRE 'EDT$SRC:SYSSYM';
: 98 0698 1
: 99 0699 1 %FI
100 0700 1
101 0701 1 |
102 0702 1 | MACROS:
103 0703 1 |
104 0704 1 | NONE
105 0705 1 |
106 0706 1 | EQUATED SYMBOLS:
107 0707 1 |
108 0708 1
109 0709 1 LITERAL
110 0710 1 K_MAX_LINES = 66,
111 0711 1 K_OVERHEAD_LINES = 6;
112 0712 1
113 0713 1 EXTERNAL LITERAL
114 0714 1 EDT$K_PUT,
115 0715 1 EDT$K_CLOSE,
116 0716 1 EDT$K_CLOSE_DEL,
117 0717 1 EDT$K_WRITE_FILE,
118 0718 1 EDT$K_OPEN_OUTPUT_NOSEQ;
119 0719 1
120 0720 1 |
121 0721 1 | OWN STORAGE:
122 0722 1 |
123 0723 1 | NONE
124 0724 1 |
125 0725 1 | EXTERNAL REFERENCES:
126 0726 1 |
127 0727 1 | In the routine
```

```
! Format write routine for PRINT command
! Process the PRINT command
```

```
! Max lines per page for PDP-11 systems
! Number of overhead lines
```

```
129 0728 1 %SBTTL 'PRINT - intercept formatted output'
130 0729 1 ROUTINE PRINT (
131 0730 1     RECADDR,
132 0731 1     RECLEN
133 0732 1 ) =
134 0733 1
135 0734 1 ++
136 0735 1 FUNCTIONAL DESCRIPTION:
137 0736 1
138 0737 1     This routine is made the format write routine when doing a PRINT
139 0738 1     command. Whenever the formatting routines are to output a record
140 0739 1     this routine is called, which in turn writes the line to the file.
141 0740 1
142 0741 1 FORMAL PARAMETERS:
143 0742 1
144 0743 1     RECADDR          Address of the record to write
145 0744 1
146 0745 1     RECLEN           Length of that record
147 0746 1
148 0747 1 IMPLICIT INPUTS:
149 0748 1
150 0749 1     NONE
151 0750 1
152 0751 1 IMPLICIT OUTPUTS:
153 0752 1
154 0753 1     NONE
155 0754 1
156 0755 1 ROUTINE VALUE:
157 0756 1
158 0757 1     Same as EDT$$WR_OFI
159 0758 1
160 0759 1 SIDE EFFECTS:
161 0760 1
162 0761 1     Changes the formatted write routine to EDT$$TI_WRLN during
163 0762 1     I/O, then restores it before returning.
164 0763 1
165 0764 1 --
166 0765 1
167 0766 2 BEGIN
168 0767 2
169 0768 2 EXTERNAL ROUTINE
170 0769 2     EDT$$CALLFIO,
171 0770 2     EDT$$TI_WRLN;
172 0771 2
173 0772 2 EXTERNAL
174 0773 2     EDT$$A_CUR_BUF : REF TBCB_BLOCK,
175 0774 2     EDT$$A_FMT_WRRUT,
176 0775 2     EDT$$L_IO_VFCHD;
177 0776 2
178 0777 2 LOCAL
179 0778 2     STATUS,
180 0779 2     LEN,
181 0780 2     ADDR,
182 0781 2     RHB_DESC : BLOCK [8, BYTE],
183 0782 2     FILE_DESC : BLOCK [8, BYTE];
184 0783 2
185 L 0784 2 %IF %BLISS (BLISS32)
```



```
186 0785 2 %THEN
187 0786 RHB_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
188 0787 RHB_DESC [DSC$B_CLASS] = DSC$K_CLASS_S;
189 0788 FILE_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
190 0789 FILE_DESC [DSC$B_CLASS] = DSC$K_CLASS_S;
191 0790 %FI
192 0791
193 0792 FILE_DESC [DSC$A_POINTER] = .RECADDR;
194 0793 FILE_DESC [DSC$W_LENGTH] = .RECLEN;
195 0794 RHB_DESC [DSC$A_POINTER] = EDT$SL_IO_VFCHD;
196 0795
197 0796 + Just in case the I/O routines have an error and decide to
198 0797 print a message about it, set the format write routine
199 0798 back to EDT$TI_WRLN for the duration of the I/O.
200 0799 -
201 0800 EDT$A_FMT_WRRUT = EDT$TI_WRLN;
202 0801 +
203 0802 Reject any lines that start with ESC. This is because if we do a PRINT in
204 0803 change mode, EDT will try to put the text at the bottom of the screen, and
205 0804 will issue escape sequences to this effect. Since we don't want these
206 0805 escape sequences to go into the file, reject them.
207 0806 -
208 0807
209 0808 IF ((CH$RCHAR (.RECADDR) EQL ASC_K_ESC) AND .RECLEN NEQ 0) !
210 0809 THEN
211 0810 STATUS = 1
212 0811 ELSE
213 0812 STATUS = EDT$CALLFIO (EDT$K_PUT, EDT$K_WRITE_FILE, FILE_DESC, RHB_DESC);
214 0813
215 0814 +
216 0815 Now restore this routine as the formatted write routine.
217 0816 -
218 0817 EDT$A_FMT_WRRUT = PRINT;
219 0818 RETURN (.STATUS);
220 0819 1
221 0820
```

! of routine PRINT

```
.TITLE EDT$LP - PRINT line-mode command
.IDENT \V04-000\
```

```
.EXTRN EDT$K_PUT, EDT$K_CLOSE
.EXTRN EDT$K_CLOSE_DEL
.EXTRN EDT$K_WRITE_FILE
.EXTRN EDT$K_OPEN_OUTPUT_NOSEQ
.EXTRN EDT$CALLFIO, EDT$TI_WRLN
.EXTRN EDT$A_CUR_BUF, EDT$A_FMT_WRRUT
.EXTRN EDT$SL_IO_VFCHD
```

```
.PSECT _EDT$CODE, NOWRT, SHR, PIC, 2
```

				0004 0000	PRINT:	.WORD	Save R2	: 0729
	52	00000000G	00	9E 00002		MOVAB	EDT\$A_FMT_WRRUT, R2	
	5E		10	C2 00009		SUBL2	#16, SP	
0A	AE	010E	8F	B0 0000C		MOVW	#270, RHB_DESC+2	: 0786
02	AE	010E	8F	B0 00012		MOVW	#270, FILE_DESC+2	: 0788
04	AE	04	AC	D0 00018		MOVL	RECADDR, FILE_DESC+4	: 0792
	6E	08	AC	B0 0001D		MOVW	RECLEN, FILE_DESC	: 0793

EDT\$LP
V04-000

EDT\$LP - PRINT line-mode command
PRINT - intercept formatted output

M 5
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14-Sep-1984 12:23:38

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0C	AE	00000000G	00	9E	00021	MOVAB	EDT\$SL_IO VFCHD, RHB_DESC+4	:	0794
	62	00000000G	00	9E	00029	MOVAB	EDT\$STI_WRLN, EDT\$SA_FMT_WRRUT	:	0800
	1B	04	BC	91	00030	CMPB	@RECADDR, #27	:	0808
			0A	12	00034	BNEQ	1\$	:	
		08	AC	D5	00036	TSTL	RECLN	:	
			05	13	00039	BEQL	1\$	:	
50			01	D0	0003B	MOVL	#1, STATUS	:	0810
			19	11	0003E	BRB	2\$	:	
		08	AE	9F	00040	PUSHAB	RHB_DESC	:	0812
		04	AE	9F	00043	PUSHAB	FILE_DESC	:	
		00000000G	8F	DD	00046	PUSHL	#EDT\$K_WRITE_FILE	:	
		00000000G	8F	DD	0004C	PUSHL	#EDT\$K_PUT	:	
00000000G	00		04	FB	00052	CALLS	#4, EDT\$SCALLFIO	:	
	62	A4	AF	9E	00059	MOVAB	PRINT, EDT\$SA_FMT_WRRUT	:	0817
			04	0005D	RET			:	0819

; Routine Size: 94 bytes, Routine Base: _EDT\$CODE + 0000


```
222 0820 1 %SBTTL 'EDT$PRNT_CMD - PRINT line-mode command'
223 0821 1
224 0822 1 GLOBAL ROUTINE EDT$PRNT_CMD ! PRINT line-mode command
225 0823 1 : NOVALUE =
226 0824 1
227 0825 1 ++
228 0826 1 FUNCTIONAL DESCRIPTION:
229 0827 1
230 0828 1 Command processing for PRINT. First, attempt to open the file.
231 0829 1 If it succeeds then set up the little routine above as the format
232 0830 1 write routine and process the range. A page skip is done after
233 0831 1 60 lines, or when the first character of a line is a form feed,
234 0832 1 whichever comes first.
235 0833 1
236 0834 1 FORMAL PARAMETERS:
237 0835 1
238 0836 1 NONE
239 0837 1
240 0838 1 IMPLICIT INPUTS:
241 0839 1
242 0840 1 EDT$A_CUR_BUF
243 0841 1 EDT$G_TXT_ONSCR
244 0842 1 EDT$G_TI_WID
245 0843 1 EDT$Z_RNG_ORIGPOS
246 0844 1 EDT$A_WK_CN
247 0845 1 EDT$A_EXE_CURCMD
248 0846 1
249 0847 1 IMPLICIT OUTPUTS:
250 0848 1
251 0849 1 EDT$G_TXT_ONSCR
252 0850 1 EDT$G_CC_DONE
253 0851 1
254 0852 1 ROUTINE VALUE:
255 0853 1
256 0854 1 NONE
257 0855 1
258 0856 1 SIDE EFFECTS:
259 0857 1
260 0858 1 On exit from this routine, the formatting routine is set to EDT$TI_WRLN.
261 0859 1 While it is running, the formatting routine is usually in this module.
262 0860 1
263 0861 1 --
264 0862 1
265 0863 2 BEGIN
266 0864 2
267 0865 2 EXTERNAL ROUTINE
268 0866 2 EDT$STOP_WKINGMSG,
269 0867 2 EDT$CHK_CC,
270 0868 2 EDT$CALCFIO,
271 0869 2 EDT$OUT_FMTBUF,
272 0870 2 EDT$FMT_MSG,
273 0871 2 EDT$TI_WRLN,
274 0872 2 EDT$NXT_LNRNG,
275 0873 2 EDT$RNG_REPOS,
276 0874 2 EDT$RD_CURLN,
277 0875 2 EDT$FIOPN_ERR,
278 0876 2 EDT$TY_CURLN;
```

```
279 0877 2
280 L 0878 2 %IF %BLISS (BLISS32)
281 0879 2 %THEN
282 0880 2
283 0881 2 EXTERNAL ROUTINE
284 0882 2 STR$FREE1 DX, ! needed for deallocation of dynamic descriptors
285 0883 2 LIB$LP_LINES; ! Compute number of lines per page
286 0884 2
287 0885 2 %FI
288 0886 2
289 0887 2 EXTERNAL
290 0888 2 EDT$G_EXT_MOD, ! Are we in EXT mode
291 0889 2 EDT$A_FMT_WRRUT, ! Address of write routine
292 0890 2 EDT$Z_RNG_SAVPOS,
293 0891 2 EDT$A_FMT_CUR,
294 0892 2 EDT$T_FMT_BUF,
295 0893 2 EDT$A_CUR_BUF : REF TBCB_BLOCK,
296 0894 2 EDT$G_TXT_ONSCR,
297 0895 2 EDT$G_TI_WID,
298 0896 2 EDT$Z_RNG_ORIGPOS : POS_BLOCK,
299 0897 2 EDT$Z_EOB_LN,
300 0898 2 EDT$G_RNG_FRSTLN,
301 0899 2 EDT$A_WK_CN : REF LIN_BLOCK,
302 0900 2 EDT$A_EXE_CURCMD : REF NODE_BLOCK, ! Pointer to the current command.
303 0901 2 EDT$G_CC_DONE; ! Set to 1 if control C actually aborted something
304 0902 2
305 0903 2 MESSAGES ((NOFILSPC, PRIFILCRE, PRIFILCLO));
306 0904 2
307 0905 2 LOCAL
308 0906 2 FORMAT_ROUTINE, ! Save the format routine entered with
309 0907 2 COUNT, ! Number of lines on this page
310 0908 2 FILE_DESC : BLOCK [8, BYTE],
311 0909 2 RHB_DESC : BLOCK [8, BYTE],
312 0910 2 SAV_BUF,
313 0911 2 STR$EN,
314 0912 2 STR$ADR,
315 0913 2 SAVE_WIDTH, ! Save the terminal width
316 0914 2 IFI, ! IFI of the output file.
317 0915 2 MAX_LINES; ! Number of lines per page
318 0916 2
319 0917 2 BIND
320 0918 2 RAN = .EDT$A_EXE_CURCMD [RANGE1] : NODE_BLOCK;
321 0919 2
322 0920 2 !+
323 0921 2 !- Make sure there is a file spec.
324 0922 2 !-
325 0923 2
326 0924 2 IF (.EDT$A_EXE_CURCMD [FSPCLN] EQL 0)
327 0925 2 THEN
328 0926 2 BEGIN
329 0927 2 EDT$FMT_MSG (EDT$NOFILSPC);
330 0928 2 RETURN;
331 0929 2 END;
332 0930 2
333 0931 2 !+
334 0932 2 !- If the range is null, then make it the whole buffer.
335 0933 2 !-
```



```
0934 2 SAV_BUF = .EDT$$A_CUR_BUF; ! save original address
0935 2
0936 2 IF (.RAN [RAN_TYPE] EQL RAN_NULL) THEN RAN [RAN_TYPE] = RAN_WHOLE;
0937 2
0938 2 !+
0939 2 ! Position to top of range.
0940 2 !-
0941 2 EDT$$G_RNG_FRSTLN = 1;
0942 2 EDT$$CPY_MEM (POS_SIZE, .EDT$$A_CUR_BUF, EDT$$Z_RNG_ORIGPOS);
0943 2
0944 2 IF ( NOT EDT$$RNG_REPOS (.EDT$$A_EXE_CURCMD [RANGE1])) THEN RETURN;
0945 2
0946 2 FORMAT_ROUTINE = .EDT$$A_FMT_WRRUT;
0947 2 !+
0948 2 ! Compute the number of lines per page.
0949 2 !-
0950 2
0951 2 %IF %BLISS (BLISS32)
0952 2 %THEN
0953 2 MAX_LINES = MAX (1, LIB$LP_LINES () - K_OVERHEAD_LINES);
0954 2 %ELSE
0955 2 MAX_LINES = MAX (1, K_MAX_LINES - K_OVERHEAD_LINES);
0956 2 %FI
0957 2
0958 2 !+
0959 2 ! Set up so a form feed will be output immediately.
0960 2 !-
0961 2 COUNT = .MAX_LINES;
0962 2 !+
0963 2 ! Open the file.
0964 2 !-
0965 2
0966 2 %IF %BLISS (BLISS32)
0967 2 %THEN
0968 2 FILE_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
0969 2 FILE_DESC [DSC$B_CLASS] = DSC$K_CLASS_D;
0970 2 RHB_DESC [DSC$B_DTYPE] = DSC$K_DTYPE_T;
0971 2 RHB_DESC [DSC$B_CLASS] = DSC$K_CLASS_D;
0972 2 %FI
0973 2
0974 2 FILE_DESC [DSC$A_POINTER] = 0;
0975 2 FILE_DESC [DSC$W_LENGTH] = 0;
0976 2 RHB_DESC [DSC$A_POINTER] = 0;
0977 2 RHB_DESC [DSC$W_LENGTH] = 0;
0978 2 STRLEN = .EDT$$A_EXE_CURCMD [FSPCLN];
0979 2 STRADR = .EDT$$A_EXE_CURCMD [FILSPEC];
0980 2 STRING_DESC (FILE_DESC, STRLEN, .STRADR);
0981 2 IFI = EDT$$CALLFID (EDT$K_OPEN_OUTPUT_NOSEQ, EDT$K_WRITE_FILE, FILE_DESC, RHB_DESC);
0982 2
0983 2 IF (.IFI NEQ 0)
0984 2 THEN
0985 2 BEGIN
0986 2 !+
0987 2 ! Save the current terminal width and make it 132 characters for the printer.
0988 2 !-
0989 2 SAVE_WIDTH = .EDT$$G_TI_WID;
0990 2 EDT$$G_TI_WID = 132;
```

```
0991 393 3 !+
0992 394 3 !- Reset the format writing routine.
0993 395 3 !-
0994 396 3 EDT$A_FMT_WRRUT = PRINT;
0995 397 3 !+
0996 398 3 !- Loop through the range.
0997 399 3 !-
0998 400 3 !-
0999 401 3 WHILE (EDT$NXT_LNRNG (0) AND ( NOT EDT$CHK_CC ())) DO
1000 402 3 BEGIN
1001 403 3
1002 404 3 IF (.EDT$A_WK_LN NEQA EDT$Z_EOB_LN)
1003 405 3 THEN
1004 406 3 BEGIN
1005 407 3 !+
1006 408 3 !- Look for form-feed in the record.
1007 409 3 !-
1008 410 3
1009 411 3 IF (CH$RCHAR (EDT$A_WK_LN [LIN_TEXT]) EQL 12) THEN COUNT = .MAX_LINES;
1010 412 3
1011 413 3 !+
1012 414 3 !- Check for a page skip.
1013 415 3 !-
1014 416 3
1015 417 3 IF (.COUNT EQL .MAX_LINES)
1016 418 3 THEN
1017 419 3 BEGIN
1018 420 3 PRINT (UPLIT BYTE(12), 1);
1019 421 3 !+
1020 422 3 now dump out two blank lines
1021 423 3 first make sure that the format buffer is empty
1022 424 3 !-
1023 425 3 EDT$A_FMT_CUR = EDT$T_FMT_BUF;
1024 426 3 EDT$OUT_FMTBUF ();
1025 427 3 EDT$OUT_FMTBUF ();
1026 428 3 COUNT = 0;
1027 429 3 END;
1028 430 3
1029 431 3 COUNT = .COUNT + 1;
1030 432 3 !+
1031 433 3 !- And print the line.
1032 434 3 !-
1033 435 3
1034 436 3 IF ( NOT EDT$TY_CURLN ()) THEN EXITLOOP;
1035 437 3
1036 438 3 END;
1037 439 3
1038 440 3 END;
1039 441 3
1040 442 3 IF (.EDT$G_EXT_MOD) THEN EDT$STOP_WKINGMSG ();
1041 443 3
1042 444 3 !+
1043 445 3 !- Reposition to the first line of the range.
1044 446 3 !-
1045 447 3 EDT$CPY_MEM (POS_SIZE, EDT$Z_RNG_SAVPOS, .EDT$A_CUR_BUF);
1046 448 3 EDT$RD_CURLN ();
1047 449 3 !+
```


EDT\$LPRI
V04-000

EDT\$LPRI - PRINT line-mode command
EDT\$SPRI_CMD - PRINT line-mode command

E 6
16-Sep-1984 00:54:22
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```

450      1048 3 ! Close the file.
451      1049 3 !-
452      1050 3
453      1051 3     IF EDT$CHK_CC ()
454      1052 3     THEN
455      1053 3         BEGIN
456      1054 3
457      1055 3         IF ( NOT EDT$CALLFIO (EDT$K_CLOSE_DEL, EDT$K_WRITE_FILE, FILE_DESC, 0))
458      1056 3         THEN
459      1057 3             EDT$FIOPN_ERR (EDT$PRIFILCRE, FILE_DESC);
460      1058 3
461      1059 3             EDT$G_CC_DONE = 1;
462      1060 3         END
463      1061 3     ELSE
464      1062 3
465      1063 3         IF ( NOT EDT$CALLFIO (EDT$K_CLOSE, EDT$K_WRITE_FILE, FILE_DESC, 0))
466      1064 3         THEN
467      1065 3             EDT$FIOPN_ERR (EDT$PRIFILCRE, FILE_DESC);
468      1066 3
469      1067 3 !+
470      1068 3 ! Restore the terminal width and the format write routine,
471      1069 3 ! and reposition to the original line.
472      1070 3 !-
473      1071 3     EDT$G_TI_WID = .SAVE WIDTH;
474      1072 3     EDT$A_FMT_WRRUT = EDT$TI_WRLN;
475      1073 3     EDT$A_CUR_BUF = .SAV BUF;
476      1074 3     EDT$CPY_MEM (POS_SIZE, EDT$Z_RNG_ORIGPOS, .EDT$A_CUR_BUF);
477      1075 3     EDT$RD_CURLN ();
478      1076 3     END
479      1077 3 ELSE
480      1078 3 !+
481      1079 3 ! Here if file was not opened.
482      1080 3 !-
483      1081 3     EDT$FIOPN_ERR (EDT$PRIFILCRE, FILE_DESC);
484      1082 3
485      1083 3     EDT$A_FMT_WRRUT = .FORMAT_ROUTINE;
486      1084 3 !+
487      1085 3 ! On VMS deallocate dynamic descriptors
488      1086 3 !-
489      1087 3
490      1088 2 L %IF %BLISS (BLISS32)
491      1089 2 %THEN
492      1090 2     STR$FREE1_DX (FILE_DESC);
493      1091 2     STR$FREE1_DX (RMB_DESC);
494      1092 2 %FI
495      1093 2
496      1094 1     END;

```

! of routine EDT\$SPRI_CMD

OC 0005E P.AAA: .BYTE 12

.EXTRN EDT\$STOP_WKINGMSG
.EXTRN EDT\$CHK_CC, EDT\$OUT_FMTBUF
.EXTRN EDT\$FMT_MSG, EDT\$NXT_LNRNG
.EXTRN EDT\$RNG_REPOS, EDT\$RD_CURLN
.EXTRN EDT\$FIOPN_ERR, EDT\$TY_CURLN

				OFFC 00000			
		5B	00000000G	8F	D0	00002	
		5A	00000000G	00	9E	00009	
		59	00000000G	00	9E	00010	
		5E		14	C2	00017	
		50	00000000G	00	D0	0001A	
		52	04	A0	D0	00021	
			0C	A0	D5	00025	
				0E	12	00028	
			00000000G	8F	DD	0002A	
	00000000G	00		01	FB	00030	
					04	00037	
		50		69	D0	00038	1\$:
		57		50	D0	0003B	
			01	A2	95	0003E	
				04	12	00041	
	01	A2		0B	90	00043	
	00000000G	00		01	D0	00047	2\$:
		60		0E	28	0004E	
		50	00000000G	00	D0	00056	
			04	A0	DD	0005D	
	00000000G	00		01	FB	00060	
		01		50	E8	00067	
					04	0006A	
		58		6A	D0	0006B	3\$:
	00000000G	00		00	FB	0006E	
		50		06	C2	00075	
				03	14	00078	
		50		01	D0	0007A	
		53		50	D0	0007D	4\$:
		52		53	D0	00080	
	0C	AE	020E0000	8F	D0	00083	
	04	AE	020E0000	8F	D0	0008B	
			10	AE	D4	00093	
			08	AE	D4	00096	
		50	00000000G	00	D0	00099	
		6E	0C	A0	D0	000A0	
		50		08	A0	D0	000A4
				50	DD	000A8	
			04	AE	9F	000AA	
			14	AE	9F	000AD	
	00000000G	00		03	FB	000B0	
			04	AE	9F	000B7	
			10	AE	9F	000BA	
				5B	DD	000BD	

		STR\$FREE1 DX, LIB\$LP LINES	
.EXTRN	EDTSSG_EXT_MOD, EDTSSZ_RNG_SAVPOS		
.EXTRN	EDTSSA_FMT_CUR, EDTSSZ_FMT_BUF		
.EXTRN	EDTSSG_TXT_ONSCR		
.EXTRN	EDTSSG_TI_WID, EDTSSZ_RNG_ORIGPOS		
.EXTRN	EDTSSZ_EOB_LN, EDTSSG_RNG_FRSTLN		
.EXTRN	EDTSSA_WK_CN, EDTSSA_EXE_CURCMD		
.EXTRN	EDTSSG_CC_DONE, EDT\$NOFILSPC		
.EXTRN	EDT\$PRIFILCRE, EDT\$PRIFILCLO		
.EXTRN	STR\$COPY_R		

		EDTSSPRNT_CMD, Save R2,R3,R4,R5,R6,R7,R8,-	
.ENTRY	R9,R10,R11		0822
MOVL	#EDT\$K_WRITE_FILE, R11		
MOVAB	EDTSSA_FMT_WRRUT, R10		
MOVAB	EDTSSA_CUR_BUF, R9		
SUBL2	#20, SP		
MOVL	EDTSSA_EXE_CURCMD, R0		0918
MOVL	4(R0), R2		
TSTL	12(R0)		0924
BNEQ	1\$		
PUSHL	#EDT\$NOFILSPC		0927
CALLS	#1, EDTSSFMT_MSG		
RET			0926
MOVL	EDTSSA_CUR_BUF, R0		0934
MOVL	R0, SAV_BUF		
TSTB	1(R2)		0936
BNEQ	2\$		
MOVB	#11, 1(R2)		
MOVL	#1, EDTSSG_RNG_FRSTLN		0941
MOVC3	#14, (R0), EDTSSZ_RNG_ORIGPOS		0942
MOVL	EDTSSA_EXE_CURCMD, R0		0944
PUSHL	4(R0)		
CALLS	#1, EDTSSRNG_REPOS		
BLBS	R0, 3\$		
RET			
MOVL	EDTSSA_FMT_WRRUT, FORMAT_ROUTINE		0946
CALLS	#0, LIB\$LP_LINES		0953
SUBL2	#6, R0		
BGTR	4\$		
MOVL	#1, R0		
MOVL	R0, MAX_LINES		
MOVL	MAX_LINES, COUNT		0961
MOVL	#34471936, FILE_DESC		0975
MOVL	#34471936, RHB_DESC		0977
CLRL	FILE_DESC+4		0974
CLRL	RHB_DESC+4		0976
MOVL	EDTSSA_EXE_CURCMD, R0		0978
MOVL	12(R0), STRLEN		
MOVL	8(R0), STRADR		0979
PUSHL	STRADR		0980
PUSHAB	STRLEN		
PUSHAB	FILE_DESC		
CALLS	#3, STR\$COPY_R		
PUSHAB	RHB_DESC		0981
PUSHAB	FILE_DESC		
PUSHL	R11		

00000000G	00	00000000G	8F	DD	000BF	PUSHL	#EDT\$K_OPEN_OUTPUT_NOSEQ		
			04	FB	000C5	CALLS	#4, EDT\$SCALCFIO		
			50	D5	000CC	TSTL	IF		0983
			03	12	000CE	BNEQ	5\$		
			0123	31	000D0	BRW	14\$		
	56	00000000G	00	D0	000D3	5\$:	MOVL	EDT\$G TI WID, SAVE_WIDTH	0989
00000000G	00	84	8F	9A	000DA	MOVZBL	#132, EDT\$G TI WID		0990
	6A	FEBB	CF	9E	000E2	MOVAB	PRINT, EDT\$A_FMT_WRRUT		0994
			7E	D4	000E7	6\$:	CLRL	-(SP)	0999
00000000G	00		01	FB	000E9	CALLS	#1, EDT\$NXT_LNRNG		
	5D		50	E9	000F0	BLBC	RO, 9\$		
00000000G	00		00	FB	000F3	CALLS	#0, EDT\$CHK_CC		
	53		50	E8	000FA	BLBS	RO, 9\$		
	50	00000000G	00	D0	000FD	MOVL	EDT\$A_WK_LN, RO		1002
	51	00000000G	00	9E	00104	MOVAB	EDT\$Z_EOB_LN, R1		
	51		50	D1	0010B	CMPL	RO, R1		
			D7	13	0010E	BEQL	6\$		
	0C	07	A0	91	00110	CMPB	7(RO), #12		1009
			03	12	00114	BNEQ	7\$		
	52		53	D0	00116	MOVL	MAX_LINES, COUNT		
	53		52	D1	00119	7\$:	CMPL	COUNT, MAX_LINES	1015
			26	12	0011C	BNEQ	8\$		
			01	DD	0011E	PUSHL	#1		1018
		FEDB	CF	9F	00120	PUSHAB	P.AAA		
FE78	CF		02	FB	00124	CALLS	#2, PRINT		
00000000G	00	00000000G	00	9E	00129	MOVAB	EDT\$T_FMT_BUF, EDT\$A_FMT_CUR		1023
00000000G	00		00	FB	00134	CALLS	#0, EDT\$OUT_FMTBUF		1024
00000000G	00		00	FB	0013B	CALLS	#0, EDT\$OUT_FMTBUF		1025
			52	D4	00142	CLRL	COUNT		1026
			52	D6	00144	8\$:	INCL	COUNT	1029
00000000G	00		00	FB	00146	CALLS	#0, EDT\$TY_CURLN		1034
	97		50	E8	0014D	BLBS	RO, 6\$		
	07	00000000G	00	E9	00150	9\$:	BLBC	EDT\$G_EXT_MOD, 10\$	1040
00000000G	00		00	FB	00157	CALLS	#0, EDT\$STOP_WKINGMSG		
	50		69	D0	0015E	10\$:	MOVL	EDT\$A_CUR_BUF, RO	1045
60 00000000G	00		0E	28	00161	MOV3	#14, EDT\$Z_RNG_SAVPOS, (RO)		
00000000G	00		00	FB	00169	CALLS	#0, EDT\$RD_CURN		1046
00000000G	00		00	FB	00170	CALLS	#0, EDT\$CHK_CC		1051
	30		50	E9	00177	BLBC	RO, 12\$		
			7E	D4	0017A	CLRL	-(SP)		1055
		10	AE	9F	0017C	PUSHAB	FILE_DESC		
			5B	DD	0017F	PUSHL	R11		
		00000000G	8F	DD	00181	PUSHL	#EDT\$K_CLOSE_DEL		
00000000G	00		04	FB	00187	CALLS	#4, EDT\$SCALCFIO		
	10		50	E8	0018E	BLBS	RO, 11\$		
		0C	AE	9F	00191	PUSHAB	FILE_DESC		1057
		00000000G	8F	DD	00194	PUSHL	#EDT\$PRIFILCRE		
00000000G	00		02	FB	0019A	CALLS	#2, EDT\$FIOPN_ERR		
00000000G	00		01	D0	001A1	11\$:	MOVL	#1, EDT\$G_CC_DONE	1059
			27	11	001A8	BRB	13\$		1051
			7E	D4	001AA	12\$:	CLRL	-(SP)	1063
		10	AE	9F	001AC	PUSHAB	FILE_DESC		
			5B	DD	001AF	PUSHL	R11		
		00000000G	8F	DD	001B1	PUSHL	#EDT\$K_CLOSE		
00000000G	00		04	FB	001B7	CALLS	#4, EDT\$SCALCFIO		
	10		50	E8	001BE	BLBS	RO, 13\$		
		0C	AE	9F	001C1	PUSHAB	FILE_DESC		1065

EDTSLPRINT
V04-000

EDTSLPRINT - PRINT line-mode command
EDTSSPRNT_CMD - PRINT line-mode command

H 6
16-Sep-1984 00:54:22
14-Sep-1984 12:23:38

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DISK\$VMSMASTER:[EDT.SRC]LPRIINT.BLI;1

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	00000000G	00	00000000G	8F	DD	001C4		PUSHL	#EDT\$ PRIFILCRE		
	00000000G	00		02	FB	001CA		CALLS	#2, EDT\$\$FIOPN_ERR		
	00000000G	00		56	D0	001D1	13\$:	MOVL	SAVE WIDTH, EDT\$\$G TI WID		1071
		6A	00000000G	00	9E	001D8		MOVAB	EDT\$\$TI_WRLN, EDT\$\$A_FMT_WRRUT		1072
		69		57	D0	001DF		MOVL	SAV_BUF, EDT\$\$A_CUR_BUF		1073
		50		69	D0	001E2		MOVL	EDT\$\$A_CUR_BUF, RO		1074
60	00000000G	00		0E	28	001E5		MOVC3	#14, EDT\$\$Z_RNG_ORIGPOS, (RO)		
	00000000G	00		00	FB	001ED		CALLS	#0, EDT\$\$RD_CURLEN		1075
				10	11	001F4		BRB	15\$		0983
			0C	AE	9F	001F6	14\$:	PUSHAB	FILE_DESC		1081
	00000000G	00	00000000G	8F	DD	001F9		PUSHL	#EDT\$ PRIFILCRE		
		6A		02	FB	001FF		CALLS	#2, EDT\$\$FIOPN_ERR		
				58	D0	00206	15\$:	MOVL	FORMAT ROUTINE, EDT\$\$A_FMT_WRRUT		1083
	00000000G	00	0C	AE	9F	00209		PUSHAB	FILE_DESC		1090
				01	FB	0020C		CALLS	#1, STR\$FREE1_DX		
	00000000G	00	04	AE	9F	00213		PUSHAB	RHB_DESC		1091
				01	FB	00216		CALLS	#1, STR\$FREE1_DX		
				04	00	0021D		RET			1094

; Routine Size: 542 bytes, Routine Base: _EDT\$CODE + 005F

: 497 1095 1
: 498 1096 1 !<BLF/PAGE>

EDT\$LPRI
V04-000

EDT\$LPRI - PRINT line-mode command
EDT\$PRNT_CMD - PRINT line-mode command

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14-Sep-1984 12:23:38

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LPRI.BLI;1 Page 15 (5)

: 500
: 501
: 502

1097 1 END
1098 1
1099 0 ELUDOM

! of module EDT\$LPRI

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	637	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	95	25	40	00:00.2
_\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1
_\$255\$DUA28:[SYSLIB]STARLET.L32;1	9776	7	0	581	00:04.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LISS:LPRINT/OBJ=OBJ\$:LPRINT MSRC\$:LPRINT.BLI/UPDATE=(ENH\$:LPRINT)

: Size: 636 code + 1 data bytes
: Run Time: 00:33.2
: Elapsed Time: 00:43.0
: Lines/CPU Min: 1987
: Lexemes/CPU-Min: 7143
: Memory Used: 181 pages
: Compilation Complete

0136

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